

SDI010

Secure Dual Interface Smart Card Reader ISO 14443 & ISO 7816



Features

- Combines ISO7816 contact and ISO14443 contactless reader within one product
- In field firmware updates
- Compliant with all major smart cards and relevant industry standards
- Case color & company logo customizing options

Typical Applications

The SDI010 dual interface reader combines contact and contactless interface capabilities to support a wide variety of identification applications.

It is widely used for applications such as electronic ID and ePassport, e-Banking and e-Commerce

The SDI010 is based on ISO 7816 for the contact interface and on ISO 14443 at 13.56 MHz supporting type A and B compliant contactless smart cards.

Dual Interface Reader

U.S. Headquarters
SCM Microsystems Inc.
41740 Christy Street
Fremont, CA 94538 USA
E-mail scmsales@scmmicro.com
Phone +1 510 360 2300
Fax +1 510 360 0211

European Headquarters
SCM Microsystems GmbH
Oskar-Messter-Str. 13
85737 Ismaning, Germany
E-mail sales@scmmicro.de
Phone +49 89 9595 5000
Fax +49 89 9595 5555

SCM Microsystems Japan, Inc.
GoogolPlex Millennium Building 6F
4-4-20 Shiba, Minato-ku,
Tokyo, Japan 108-0014
E-mail sales@scmmicro.co.jp
Phone +81 3 6414 6611
Fax +81 3 6414 6612

SCM Microsystems India Pvt. Ltd.
Module No. 0506, 0507 & 0508
D' Block South, 5th Floor
Tidel Park, 4 Canal Bank Road
Taramani
Chennai 600113, India
E-mail sales@scmmicro.co.in
Phone +91 44 2254 0020
Fax +91 44 2254 0029

www.scmmicro.com

SDIO10

Technical Data

Interfaces		
Host	USB	<ul style="list-style-type: none"> • Full speed USB 2.0 (12 Mbps) • USB Bus powered device • CCID compliant
Smart Card	contact	<ul style="list-style-type: none"> • T=0, T=1 protocol support • Communication speed up to 344,105 bps (PPS, FI parameter) • Frequency up to 12 MHz (PPS, DI parameter) • Support of ISO 7816 Class A and AB smart card • 8 contacts - ISO location • 100,000 insertions • Sliding contact
	contactless	<ul style="list-style-type: none"> • Support of ISO 14443 A and B (13.56 MHz) smart cards • ISO 14443 Part 1 to 4 compliant • Operating distance: 1cm • Communication speed: up to 848 Kbit/s
Human Software	optical API	<ul style="list-style-type: none"> • One Tri color LED • PC/SC
Operating Systems		<ul style="list-style-type: none"> • Windows® Vista, XP, Server 2003, 2000, ME, 98 • Windows® Vista, XP, Server2003 (AMD64/EMT64) • Windows® CE • MacOS, Linux, Solaris on request
Cable/Power		<ul style="list-style-type: none"> • Cable: 1.5 meter long with USB type A connector
Dimensions	L x W x H [mm]	<ul style="list-style-type: none"> • 118 x 78 x 22
Weight	[g]	<ul style="list-style-type: none"> • 128
Operating Conditions	Temperature [°C] Humidity [%]	<ul style="list-style-type: none"> • 0 to 50 • 90 (non-condensing)
Approvals	Functional	<ul style="list-style-type: none"> • VCCI • FCC Class B part 15 and FCC Class C, cULus, CE • USB • Microsoft® WHQL 2000, XP, Server 2003
	Environmental	<ul style="list-style-type: none"> • RoHS, WEEE

Technical data are subject to change without notice.

The SCM Microsystems' Advantage

Trusted Partner

- ASIC (application specific IC) and smart card reader development experience since 1990
- Innovative solutions - more than 50 patents filed
- Reliable high-quality mass production capability - more than 15 Mio. reader solutions deployed to date
- Active role in standardization committees
- Complex project management expertise e.g. U.S. Department of Defense CAC program, electronic ID applications (ePassport, health card projects, national ID, driver licence)

Support

- Global presence and support
- Product customization options
- Product branding
- Dedicated Research & Development and customer support team
- Strong global partnership network with leading suppliers along the value chain (smart card manufacturers, application providers, system integrators, device manufacturers)

Trusted Products

- Broadest portfolio of security technology products - for governments, corporations, financial institutions, small and medium-sized enterprises and individuals around the globe
- Secure smart chip reader design - certified and compliant to EMV, Common Criteria, PC/SC, USB
- High-quality products designed to meet the various requirements in the data security area
- Flexible and future proof solutions - SCM's SmartOS™ middleware and its own ASIC technology allow in Field upgrades and secure your investment

